(19) World Intellectual Property Organization

International Bureau

(43) International Publication Date 15 September 2005 (15.09.2005)





PCT

(10) International Publication Number WO 2005/085194 A3

(51) International Patent Classification 7: C07D 209/42, 409/12, 413/12, 417/12, 403/12, 409/14, 401/12, 405/12, 471/04, 495/04, A61K 31/404, A61P 3/10

(21) International Application Number:

PCT/GB2005/000872

- **(22) International Filing Date:** 8 March 2005 (08.03.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/551,255 8 M

8 March 2004 (08.03.2004) US

- (71) Applicant (for all designated States except US): PROSID-ION LIMITED [GB/GB]; Watlington Road, Oxford, Oxfordshire OX4 6LT (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BRADLEY, Stuart, Edward [GB/GB]; Prosidion Limited, Watlington Road, Oxford, Oxfordshire OX4 6LT (GB). JEEVARATNAM, Revathy, Perpetua [LK/GB]; Prosidion Limited, Watlington Road, Oxford, Oxfordshire OX4 6LT (GB). KRULLE, Thomas, Martin [DE/GB]; Prosidion Limited, Watlington Road, Oxford, Oxfordshire OX4 6LT (GB). PROCTER, Martin, James [GB/GB]; Prosidion Limited, Watlington Road, Oxford, Oxfordshire OX4 6LT (GB). ROWLEY, Robert, John [GB/GB]; Prosidion Limited, Watlington Road, Oxford, Oxfordshire OX4 6LT (GB). THOMAS, Gerard, Hugh [GB/GB]; Prosidion Limited, Watlington Road, Oxford, Oxfordshire OX4 6LT (GB). VALDES,

Ana [ES/GB]; Prosidion Limited, Watlington Road, Oxford, Oxfordshire OX4 6LT (GB).

- (74) Agent: BLAKEY, Alison; Prosidion Limited, Watlington Road, Oxford, Oxfordshire OX4 6LT (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

(88) Date of publication of the international search report:

5 January 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INDOLE-2-CARBOXYLIC ACID HYDRAZIDES AS GLYCOGEN PHOSPHORYLASE INHIBITORS

(57) Abstract: Compounds of formula (I) or pharmaceutically acceptable salts thereof, are inhibitors of glycogen phosphorylase and are useful in the prophylactic or therapeutic treatment of diabetes, hyperglycemia, hypercholesterolemia, hyperinsulinemia, hyperlipidemia, hypertension, atherosclerosis or tissue ischemia, e.g. myocardial ischemia, or as cardioprotectants or inhibitors of abnormal cell growth.